# WR75 Waveguide Manual 360° Phase Shifter

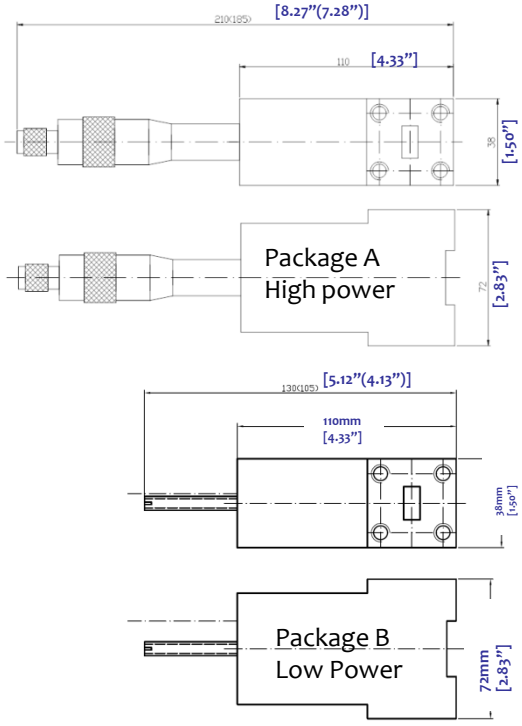

## Features

- Wide Band Operation, flat response
- Frequency up to 110GHz upon request
- High Power Handle Capability
- Low Insertion Loss and High dynamitic range
- Temperature Range -40°C~+85°C
- Customization available upon request

**Applications:** Phase shifters are devices used to adjust transmission phase in a system, are used to change the transmission phase angle (phase of S21) of a network. RF-Lambda phase shifters provide low insertion loss, and equal amplitude (or loss) in all phase states. While the loss of a phase shifter is often overcome using an amplifier stage, the less loss, the less power that is needed to overcome it.

| Part Number | Waveguide Type | Low Freq (GHz) | Insertion Loss (dB) | Phase Range (degree) | VSWR (Max:1) | Power (Watts) |
|---|---|---|---|---|---|---|
| RWPSHT75D360 | WR75 | 10-15 | 0.2 | 360 | 1.2 | 300 |

| Environment specifications | |
|---|---|
| Operation Temp. | -40°C~+85°C |
| Storage Temp. | -55°C~+125°C |
| Altitude | 62000 ft |
| Vibration | 10g rms (15 degree 2KHz) |
| Humidity | 100% RH at 35c, 95%RH at 40 deg c |
| Shock | 20G for 11msc |
| Cooling | FAN required for long time High power operation |

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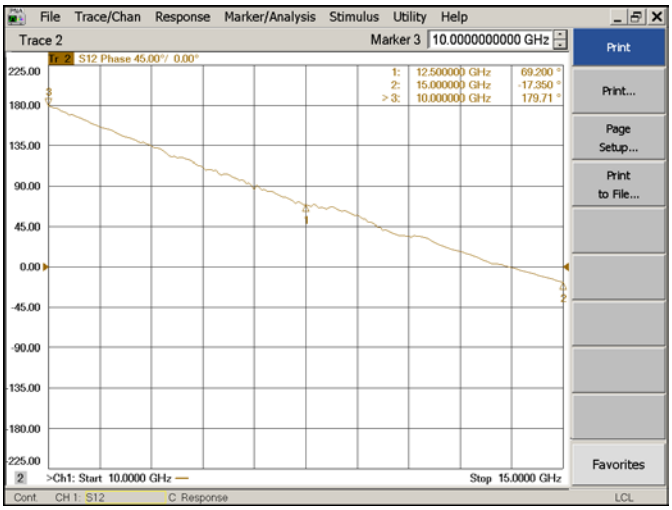
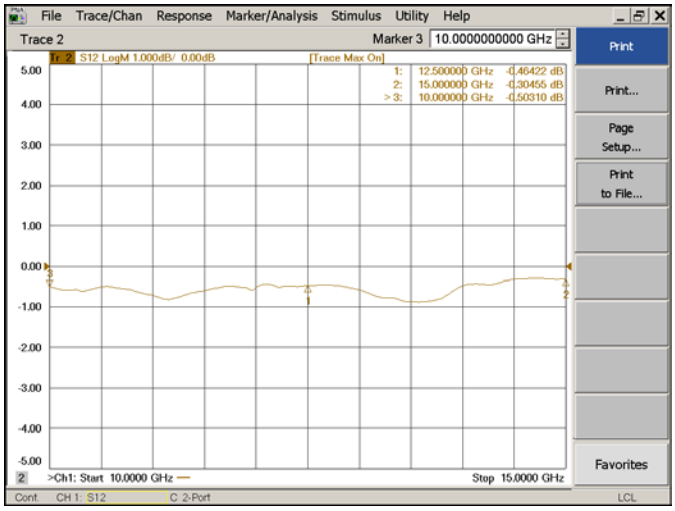
## Phase Flatness




## Insertion Loss




## VSWR